

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
INDIANA, South Central				
DUBOIS COUNTY --- 1.9 NNW JASPER [38.42, -86.95]				
	06/23/14 15:50 EST		10K	Thunderstorm Wind (EG 52 kt)
	06/23/14 15:50 EST		0	Source: Emergency Manager
The Dubois County emergency manager surveyed the Jasper Middle School, which had a fiberglass panel removed from the side of its gymnasium. One mile south, construction material was blown off the roof of the Jasper High School . In the neighborhood, a dumpster was blown over and several trees were downed.				
JEFFERSON COUNTY --- 1.3 ESE NORTH MADISON [38.76, -85.38]				
	06/23/14 17:15 EST		0	Thunderstorm Wind (EG 60 kt)
	06/23/14 17:15 EST		0	Source: Emergency Manager
Thunderstorm winds knocked down at least two trees in Jefferson County . One was in Madison. The other fell in the northern portion of the county near Ripley County.				
Moderate instability and a weak disturbance combined to produce scattered thunderstorms during the afternoon and evening hours on June 23rd. Due to steep low level lapse rates and sufficient temperature dewpoint depressions, some storms produced damaging winds across southern Indiana.				
KENTUCKY, Central				
FRANKLIN COUNTY --- 2.2 W FARMDALE [38.12, -84.96]				
	06/04/14 16:55 EST		0	Thunderstorm Wind (MG 52 kt)
	06/04/14 16:55 EST		0	Source: Mesonet
The Kentucky Mesonet site 7 miles south of Frankfort recorded a 60 mph wind gust.				
BUTLER COUNTY --- MORGANTOWN [37.22, -86.70]				
	06/04/14 18:06 CST		0	Thunderstorm Wind (EG 50 kt)
	06/04/14 18:06 CST		0	Source: Law Enforcement
Law enforcement reported trees down in Morgantown. Two spotters also in Morgantown reported nickel sized hail at around the same time.				
BUTLER COUNTY --- NEEDMORE [37.12, -86.67]				
	06/04/14 18:06 CST		0	Funnel Cloud
	06/04/14 18:06 CST		0	Source: Storm Chaser
A storm chaser reported a funnel cloud descending from a rotating wall cloud located 5 miles SSW of Woodbury. This supercell produced hail and damaging winds in Morgantown.				
WARREN COUNTY --- 1.4 SSE BARREN RIVER [37.03, -86.51]				
	06/04/14 18:25 CST		0	Funnel Cloud
	06/04/14 18:25 CST		0	Source: Trained Spotter
A spotter reported a wall cloud and a descending funnel associated with a supercell that later brought wind damage to the northern side of Bowling Green.				
WARREN COUNTY --- 1.8 ESE BARREN RIVER [37.04, -86.49]				
	06/04/14 18:37 CST		5K	Thunderstorm Wind (EG 50 kt)
	06/04/14 18:37 CST		0	Source: Law Enforcement
The Warren County emergency dispatch reported several trees and power lines down along Barren River Road just north of Bowling Green . The storm that brought this damage was the same supercell that produced a wall cloud and damage upstream in Butler County.				
JESSAMINE COUNTY --- 1.2 SSW BRANNON [37.93, -84.56], 1.4 SSW BRANNON [37.93, -84.56], 1.3 SSW BRANNON [37.93, -84.56], 1.2 SSW BRANNON [37.93, -84.56]				
	06/04/14 21:30 EST		0	Flood (due to Heavy Rain)
	06/04/14 21:30 EST		0	Source: Law Enforcement

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Heavy rain shut down a road briefly near the BP Gas Station on Catnip Hill.				
A shortwave moved across the western Great Lakes within a northwesterly 500mb flow regime that also affected the Lower Ohio Valley June 5. During the afternoon hours, a broken line of storms developed across southern Illinois and moved southeast across western and west central Kentucky. This line had several breaks with brief supercell structures that exhibited rotation. Several of these storms produced weak tornadoes across western Kentucky, as well as some scattered wind damage and funnel cloud reports near the Bowling Green area. A second small area of thunderstorms brought isolated severe wind gusts and minor flooding across the western Bluegrass Region.				
CLINTON COUNTY --- 0.9 NW ALBANY [36.69, -85.14]				
	06/10/14 13:30 CST		0	Thunderstorm Wind (EG 50 kt)
	06/10/14 13:30 CST		0	Source: Law Enforcement
Local law enforcement reported several trees down in Albany.				
CUMBERLAND COUNTY --- 0.7 N BURKESVILLE [36.79, -85.37]				
	06/10/14 14:13 CST		20K	Thunderstorm Wind (EG 50 kt)
	06/10/14 14:13 CST		0	Source: Law Enforcement
The Burkesville police reported several trees down across roadways. A couple of limbs fell on vehicles and some power lines were downed.				
ADAIR COUNTY --- 0.6 W COLUMBIA [37.10, -85.31]				
	06/10/14 14:30 CST		0	Thunderstorm Wind (EG 50 kt)
	06/10/14 14:30 CST		0	Source: Law Enforcement
The Columbia law enforcement reported numerous trees down along with power outages. At 235 pm CST, the Kentucky Mesonet just north of Columbia measured a 50 mph wind gust.				
TAYLOR COUNTY --- 1.8 ESE YUMA [37.27, -85.22]				
	06/10/14 15:55 EST		0	Thunderstorm Wind (EG 50 kt)
	06/10/14 15:55 EST		0	Source: Trained Spotter
A spotter reported a tree down just to the west of Yuma.				
SCOTT COUNTY --- GEORGETOWN [38.20, -84.55]				
	06/10/14 16:55 EST		0	Thunderstorm Wind (EG 50 kt)
	06/10/14 16:55 EST		0	Source: Law Enforcement
The Georgetown police reported several trees down in the Georgetown area.				
MADISON COUNTY --- 0.6 E MIDDLETOWN [37.58, -84.29]				
	06/10/14 16:58 EST		0	Thunderstorm Wind (EG 50 kt)
	06/10/14 16:58 EST		0	Source: Law Enforcement
Local law enforcement reported a tree down on Paint Lick Road.				
MADISON COUNTY --- 0.9 SE RICHMOND [37.74, -84.29]				
	06/10/14 17:15 EST		0	Thunderstorm Wind (EG 52 kt)
	06/10/14 17:15 EST		0	Source: Law Enforcement
Richmond law enforcement reported trees down near the intersections of Mt. Vernon Road and Liberty Avenue, Highway 421 and Battlefield Road, and near the Waco Baptist Church.				
MADISON COUNTY --- WACO [37.73, -84.15]				
	06/10/14 17:20 EST		0	Thunderstorm Wind (EG 52 kt)
	06/10/14 17:20 EST		0	Source: Fire Department/Rescue
The fire department reported multiple trees downed along Highway 52 several miles east of Richmond.				

On June 10th, a deep, nearly cutoff 500mb low was located over Missouri. Ample moisture with PWATs over 1.5 inches moved northward from the Tennessee Valley into central Kentucky. Cloud cover during much of the day limited instability along and west of Interstate 65. However, partly cloudy skies allowed temperatures to rise into the mid 80s across the Bluegrass and Lake Cumberland Regions. Moderate southwesterly mid-level flow combined with steep low level lapse rates allowed a line of thunderstorms to develop north-to-south along Interstate 65 during the early afternoon hours. This line produced a couple of bowing segments that brought

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isolated damaging winds to much of southeastern and eastern Kentucky.				
FAYETTE COUNTY --- 0.9 NW (LEX)BLU GRS FLD LEX [38.04, -84.61]				
	06/19/14 17:30 EST		0	Thunderstorm Wind (EG 50 kt)
	06/19/14 17:30 EST		0	Source: Broadcast Media
Local media relayed a report that a tree fell near the Keeneland Race Track.				
FAYETTE COUNTY --- 1.3 ENE SOUTH ELKHORN [38.01, -84.56]				
	06/19/14 18:00 EST		0	Hail (0.88 in)
	06/19/14 18:00 EST		0	Source: Trained Spotter
A spotter reported nickle sized hail around 6 miles southwest of downtown Lexington.				
FAYETTE COUNTY --- 1.5 NNW JONESTOWN [38.00, -84.51]				
	06/19/14 18:24 EST		0	Thunderstorm Wind (EG 52 kt)
	06/19/14 18:24 EST		0	Source: Broadcast Media
Lexington media reported a large tree down in the Harrods View Subdivision.				
FAYETTE COUNTY --- 1.1 W SOUTH ELKHORN [38.00, -84.60]				
	06/19/14 18:30 EST		0	Thunderstorm Wind (MG 50 kt)
	06/19/14 18:30 EST		0	Source: Trained Spotter
A spotter located 8 miles southwest of Lexington measured a 58 mph wind gust.				
FRANKLIN COUNTY --- 1.8 WSW HARVIELAND [38.24, -84.93], 1.5 W HARVIELAND [38.25, -84.93], 0.8 WSW HARVIELAND [38.25, -84.91], 1.3 SW HARVIELAND [38.24, -84.92]				
	06/19/14 20:24 EST		0	Flood (due to Heavy Rain)
	06/19/14 20:24 EST		0	Source: Emergency Manager
The Franklin County emergency manager reported that water covered the road in several spots along State Highway 421 northwest of Frankfort. The road was impassable in some places.				
Isolated, slow moving storms developed along a thin arc across the Bluegrass Region. The storms were nearly stationary at times, and brought isolated rainfall amounts of 2 to 3 inches over a one to two hour period near Frankfort and over central Bourbon County. A separate storm southwest of Lexington produced hail and damaging winds.				
FRANKLIN COUNTY --- 0.9 NW JETT [38.19, -84.83]				
	06/20/14 16:30 EST		0	Thunderstorm Wind (EG 52 kt)
	06/20/14 16:30 EST		0	Source: Broadcast Media
The Frankfort media reported several power lines down just east of Frankfort.				
FRANKLIN COUNTY --- 1.3 WSW FRANKFORT [38.19, -84.87]				
	06/20/14 16:35 EST		30K	Thunderstorm Wind (EG 52 kt)
	06/20/14 16:35 EST		0	Source: Law Enforcement
Local law enforcement reported that a tree fell across a house in east Frankfort. Several people sent pictures via social media of trees down in the Silver Lake neighborhood just east of Frankfort. A spotter with a weather station recorded a wind gust of 55 mph.				
A flat shortwave moved southeast across Indiana during the afternoon hours on June 20th. Although this wave had no surface reflection and brought only light westerly winds both at the surface and aloft, sufficient instability and the presence of PWATs near 1.75 inches allowed numerous thunderstorms to develop by mid afternoon across southern Indiana and along the Ohio River. Most storms only brought brief heavy rain and wind gusts up to 50 mph. However, a stronger cell near Frankfort produced a damaging microburst.				
GRAYSON COUNTY --- 1.1 W SKAGGSTOWN [37.43, -86.20]				
	06/23/14 15:17 CST		0	Thunderstorm Wind (EG 52 kt)
	06/23/14 15:17 CST		0	Source: Trained Spotter
A spotter reported several trees uprooted and nickle sized hail.				
GRAYSON COUNTY --- 0.6 E SKAGGSTOWN [37.43, -86.17]				

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	06/23/14 15:23 CST		0	Hail (1.50 in)
	06/23/14 15:23 CST		0	Source: Trained Spotter

A spotter reported high winds and ping pong sized hail. This storm was the only one during the whole afternoon that briefly acquired supercell characteristics.

BARREN COUNTY --- 2.2 E RAILTON [36.98, -86.08]

06/23/14 15:30 CST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 15:30 CST	0	Source: Broadcast Media

Local media relayed a report of several trees down and roof damage to a barn.

TRIMBLE COUNTY --- MILTON [38.72, -85.37]

06/23/14 17:20 EST	10K	Thunderstorm Wind (EG 56 kt)
06/23/14 17:20 EST	0	Source: Trained Spotter

Winds estimated at 65 mph broke a flag pole, damaged a few signs and felled several trees around Milton.

HENRY COUNTY --- 1.4 E GLENMARY [38.50, -84.99]

06/23/14 17:48 EST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 17:48 EST	0	Source: Law Enforcement

Several trees were toppled in the Bethlehem Road area around Drennon Spring.

HARRISON COUNTY --- 0.7 N CYNTHIANA [38.39, -84.30]

06/23/14 18:45 EST	20K	Thunderstorm Wind (EG 52 kt)
06/23/14 18:45 EST	0	Source: Emergency Manager

Thunderstorm winds damaged the roofs of both the water treatment plant and the Southern States Building. Several trees were downed across power lines in the Cynthiana area.

HENRY COUNTY --- 0.5 E PLEASUREVILLE [38.35, -85.11]

06/23/14 19:15 EST	10K	Lightning
06/23/14 19:15 EST	0	Source: Fire Department/Rescue

The Pleasureville Fire Department reported that lightning started a fire that burned down a barn.

HENRY COUNTY --- 0.3 ENE PLEASUREVILLE [38.35, -85.12]

06/23/14 19:45 EST	0	Thunderstorm Wind (MG 54 kt)
06/23/14 19:45 EST	0	Source: Fire Department/Rescue

A 62 mph gust was measured by the Pleasureville Fire Dept.

HENRY COUNTY --- 0.9 NNW BELLVIEW [38.36, -85.15]

06/23/14 19:45 EST	0	Thunderstorm Wind (EG 50 kt)
06/23/14 19:45 EST	0	Source: Trained Spotter

A spotter reported winds that he estimated at 55 to 60 mph overturned and damaged a sturdy wooden swing set.

LINCOLN COUNTY --- 0.9 SE GRAB ORCHARD [37.46, -84.51]

06/23/14 20:07 EST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 20:07 EST	0	Source: Law Enforcement

Several trees were toppled over eastern portions of Lincoln County.

HARRISON COUNTY --- 0.5 W CYNTHIANA [38.38, -84.31]

06/23/14 20:15 EST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 20:15 EST	0	Source: Department of Highways

The county department of highways reported several trees down near Hicks Pike just southwest of Cynthiana.

GARRARD COUNTY --- 1.0 NNE CARTERSVILLE [37.54, -84.41]

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	06/23/14 20:30 EST		0	Thunderstorm Wind (EG 52 kt)
	06/23/14 20:30 EST		0	Source: Trained Spotter

A spotter reported several trees down around 11 miles southeast of Lancaster along Cartersville Road.

MADISON COUNTY --- 0.6 E MIDDLETOWN [37.58, -84.29]

06/23/14 20:35 EST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 20:35 EST	0	Source: Law Enforcement

The Berea police reported a tree down on Clay Lane.

CLARK COUNTY --- 1.5 NNW WINCHESTER [38.00, -84.19]

06/23/14 20:55 EST	0	Thunderstorm Wind (EG 52 kt)
06/23/14 20:55 EST	0	Source: Emergency Manager

Thunderstorms winds toppled half of a tree in Winchester.

Moderate instability and a weak disturbance combined to produce scattered thunderstorms during the afternoon and evening hours on June 23rd. Due to steep low level lapse rates and sufficient temperature dewpoint depressions, some storms produced damaging winds across central Kentucky. One storm in Grayson County briefly acquired supercell characteristics and produced ping pong sized hail.